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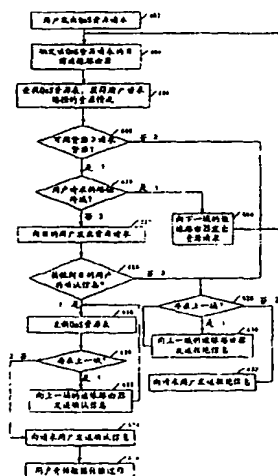
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(54) Title: A METHOD DEVICE AND SYSTEM OF REALIZING QoS (QUALITY OF SERVICE) GUARANTEE IN MPLS NETWORK

(54) 发明名称: 在 MPLS 网络中实现 QoS 保证的方法、装置和系统



101 USER ISSUES THE QoS RESOURCE REQUEST
102 CONFIRMING THE DESTINATION EDGE ROUTER OF THE QoS RESOURCE REQUEST
103 SEARCHING THE QoS RESOURCE LIST ACCORDING TO THE RESOURCE STATUS OF THE PATH THE USER REQUESTED
104 AVAILABLE RESOURCE > REQUESTED RESOURCE?
105 IS THE PATH THE USER REQUESTED IN THE OTHER AREA?
106 ISSUING THE RESOURCE REQUEST TO THE DESTINATION USER
107 ISSUING THE RESOURCE REQUEST TO THE EDGE ROUTER OF THE NEXT AREA
108 RECEIVING THE CONFIRMATION INFORMATION OF THE DESTINATION USER
109 UPDATING THE QoS RESOURCE LIST
110 IS THE PREVIOUS AREA EXISTING?
111 TRANSMITTING THE CONFIRMATION INFORMATION TO THE CORE ROUTER OF THE PREVIOUS AREA
112 TRANSMITTING THE REFUSAL INFORMATION TO THE REQUESTING USER
113 USER STARTS THE QoS TRANSMISSION PROCESS
114 IS THE PREVIOUS AREA EXISTING?
115 TRANSMITTING THE REFUSAL INFORMATION TO THE EDGE ROUTER OF THE PREVIOUS AREA
116 TRANSMITTING THE REFUSAL INFORMATION TO THE REQUESTING USER
1 YES
2 NO

(57) Abstract: The present invention provides a method of realizing QoS guarantee in MPLS network, a method of establishing, finishing QoS data transmission and the edge router for MPLS network, the MPLS network of realizing QoS guarantee. Said method of realizing QoS guarantee in the MPLS network includes: creating the QoS resource list in each edge router, recording the resource status corresponding to the path; said each edge router assigning the resource to the requesting users according to the said QoS resource list, and updating the QoS resource list accordingly.

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(57) 摘要

本发明提供了一种在 MPLS 网络中实现 QoS 保证的方法，在 MPLS 网络中建立、结束 QoS 数据传输的方法、以及用于 MPLS 网络的边缘路由器、实现 QoS 保证的 MPLS 网络。所述在 MPLS 网络中实现 QoS 保证的方法包括：在各个边缘路由器中建立各自的 QoS 资源表，记录与路径相对应的资源情况；所述每个边缘路由器根据所述 QoS 资源表为请求用户分配资源，并相应地更新 QoS 资源表。